

四川南芥属一新种

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A NEW SPECIES OF ARABIS FROM SICHUAN, CHINA

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〔摘 要〕 本文描述四川南芥属一新种，命名为康定南芥 *Arabis kangdingensis* Y. H. Zhang, 并首次报告该材料的根尖细胞染色体数目 ($2n=28$)，附染色体照片。

关键词 南芥属；康定南芥；新种；染色体数目

Key words *Arabis*; *A. kangdingensis*; new species; chromosome numbers.

康定南芥 新种 图

Arabis kangdingensis Y. H. Zhang sp. nov.

species in genera *Arabis* cotyledonibus incumbantibus vel decliviter incumbantibus differt. Species proxima *A. pendulae* L. sed haec hirsutibus 2-3-furcatis, foliis basi auriculis amplexicaulibus praeditis, siliquis 4-10 longis, seminibus margine omnino alatis, cotyledonibus accumbentibus recedit.

Herba perennis erecta, c. 60cm alta, hirsutibus simplicibus nec ramosis vestita. Radix conica. Caulis erectus, ramosus. Folia radicalia et inferne caulina longe elliptica vel oblonga, (4)10-14cm longa, (1)3-4.4cm lata, apice acuminata, margine leviter serrata, interdum basi utroque 1-3-lobatis, basin versus attenuata in petiolum c. 2cm longum; folia superne caulina angusto-oblonga vel lanceolata, eis inferioribus paulo minora, apice longe acuminata, basin versus in petiolum sensim angustata, quem c. 1cm longum, supra luteo-viridia vel viridia; folia supreme caulina lanceolata, apice longe acuminata, basin versus attenuata in petiolum breviora vel sessilia. Flores ignoti. Siliquae lineares, 6-13cm longae, 1-1.5mm latae, curvulae, declives, costatae, stylis persistentibus c. 2mm longis; pedicelli fructiferi 6-9mm longi. Semina uniseriata per loculum, oblonga, brunnea, 1.5-2mm longa, ad apicem margine obtuse triangulato alata, reticulata, cotyledonibus incumbantibus vel decliviter incumbantibus.

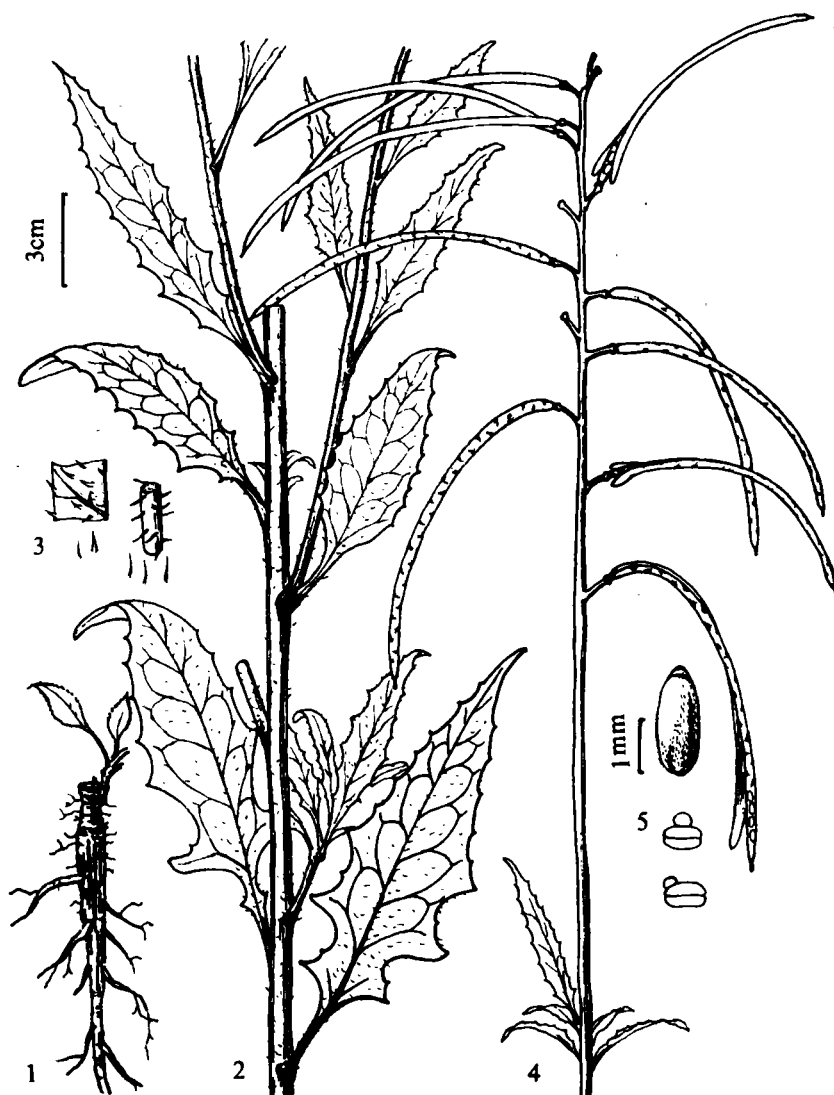


图 康定南芥 *Arabis kangdingensis* Y. H. Zhang

1. 根 root. 2. 植株一部分 a part of the herb. 3. 枝和叶部分放大示毛被 a part of the branch and leaf enlarged showing the hairs. 4. 果序 fruit inflorescence. 5. 种子, 示翅和横切面 (子叶背倚胚根) seed showing ala and section.

Sichuan (四川): Kangding (康定), Erdaoqiao (二道桥), alt. 2500m, 1992. 8. 23, Wu Shi-fu and Cai Zhi-guang (吴世福, 蔡志光) 9331 (holotype, PE; isotype, ZJSM, HZBG, NEFI)

多年生草本, 高 60cm 左右, 全株被硬单毛, 主根圆锥状。茎直立, 有分枝。基生叶和茎下部的叶长椭圆形或长圆形, 长 (4) 10-14cm, 宽 (1) 3-4.4cm, 先端渐尖, 边缘有浅锯齿, 有时基部两侧具 1-3 小裂片, 基部渐狭而成叶柄, 长达 2cm; 茎上部的叶狭

长椭圆形至披针形，较下部叶略小，先端长渐尖，基部渐狭而成叶柄，长 1cm 左右，上面黄绿色至绿色；茎最上部叶披针形，先端长渐尖，基部渐狭成极短柄或近无柄。花未见。长角果线形，长 6-13cm，宽 1-1.5mm，弧曲，下垂，果瓣具中脉，宿存花柱长约 2mm；果梗长 6-9mm。种子每室 1 行，长圆形，褐色，长 1.5-2mm，顶端边缘有钝三角形的翅。种子表面具条形细网纹，子叶背倚或斜背倚。果期 7-9 月。

本种子叶背倚或斜背倚，在南芥属中较特殊。与垂果南芥 *Arabis pendula* L. 较近似，区别在于本种被硬单毛，无 2-3 叉毛，叶基部渐狭而成叶柄，非呈心形抱茎，长角果较长，达 13cm，每室有种子 30-35 粒，种子顶端边缘具三角状翅，非环状。

本种材料根尖细胞的染色体数目 $2n=28$ (图 2)。



图 2 康定南芥体细胞染色体数
($2n=28$)

ABSTRACT

A new species of *Arabis*, namely *A. kangdingensis* Y. H. Zhang, is described, and its chromosome numbers ($2n=28$) is reported for the first time with a photograph.